Application No.: 09/581,253

APPENDIX I

(MARKED-UP VERSION OF AMENDED CLAIMS)

1. (Thrice Amended) A low positive pressure canned food having an internal pressure inspection aptitude in which contents are filled and sealed in a seamless can, comprising: a body and a bottom thereof molded integrally so that can internal pressure assumes at least a low positive pressure state with respect to the outside atmospheric pressure, characterized in that the can internal pressure is in a range of from 0.2 to 0.8 kgf/cm² at room temperature, the bottom of said seamless can has an annular ground portion of which a ground diameter is 70 to 90% of that of the can in a vicinity of an outer peripheral portion and being convex relative to the exterior of the can to define a crest portion, an outside of the annular ground portion-including constitutes an external rising wall having a first inclined portion and a second inclined portion connected to each other and between the crest portion and the outer peripheral portion, the first inclined portion extending from the crest portion and away from a longitudinal centerline of the can at a first angle of inclination and a the second inclined portion extending from the first inclined portion and inclined away from the longitudinal centerline of the can and having a slope second angle of inclination greater than the first-inclined portion angle of inclination, and a top of the external rising wall is connected to a lower end of a body wall, an inside of said annular ground portion constitutes an internal rising wall which rises-towards the longitudinal-centerline from the crest portion to connect to a bottom wall of the can and has a flat configuration as viewed in cross-section, said internal rising wall being internally formed with a the bottom wall having a substantially flat shape and a height of 0.5 to 6 mm from aground a ground surface, and a bottom of the internal rising wall of said annular ground portion is formed with an annular bead being concave relative to the exterior of the can and having a depth of 0.1 to 4 mm extending into the interior of the can from the surface of said bottom so as to have an internal pressure inspection aptitude for detecting internal pressure by measuring a vibration frequency of the bottom wall generated by striking a vicinity of a central portion of the bottom wall by an electromagnetic pulse, wherein the contents of said canned food comprises a low acid drink, and applied with retort

Application No.: 09/581,253

sterilization processing after filling and sealing.

10. (Thrice Amended) A can for low positive pressure canned food having an internal pressure inspection aptitude in which contents are filled and sealed so that can internal pressure assumes at least a low positive pressure state in a range of 0.2 kgf/cm² and 0.8 kgf/cm² at room temperature and with respect to an outside atmospheric pressure, comprising: a body and a bottom seamlessly molded integrally, said bottom has an annular ground portion of which ground diameter is 70 to 90% of that of the body in a vicinity of an outer peripheral portion and being convex relative to the exterior of the can to define a crest portion, an outside of the annular ground portion including constitutes an external rising wall having a first inclined portion and a second inclined portion connected to each other and between the crest portion and the outer peripheral portion, the first inclined portion extending from the crest portion away from a longitudinal centerline of the can at a first angle of inclination and a the second inclined portion extending from the first inclined portion and inclined away from the longitudinal centerline of the can and having a second angle of inclination greater than the first inclined portion angle of inclination, and a top of the external rising wall is connected to a lower end of a body wall, an inside of said annular ground portion constitutes an internal rising wall which rises towards a longitudinal center from the crest portion to connect to a bottom wall of the can and has a flat configuration as viewed in crosssection, said internal rising wall being internally formed with-a the bottom wall having a substantially flat shape and a height of 0.5 to 6 mm from a ground surface, and a bottom of the internal rising wall of said annular ground portion is formed to be projected with an annular bead being concave relative to the exterior of the can and having a depth of 0.1 to 4 mm extending into the interior of the can from the surface of said bottom wall so as to have an internal pressure inspection aptitude for detecting internal pressure by measuring a vibration frequency of the bottom wall generated by striking a vicinity of a central portion of the bottom wall by an electromagnetic pulse. wherein a wall thickness of the bottom is 0.15 to 0.25 mm in case of steel material and 0.25 to 0.35 mm in case of aluminum material.

Application No.: 09/581,253

13. (Twice Amended) The can according to claim 10 or 12, wherein an angle of inclination of said internal rising wall is 65° to 110 90°.

16. (Amended) A can, comprising:

a can body with a can body diameter defining a can interior and a bottom thereof molded integrally with the can body, the bottom of the can having an annular ground portion, an annular bead and a bottom wall integrally connected to each other with the annular bead disposed between the annular ground portion and the bottom wall, the annular ground portion defining a crest portion and having an annular ground portion diameter and including an external rising wall having and an internal rising wall. the external rising wall including a first inclined portion extending from the crest portion and inclined away from a longitudinal centerline of the can at a first external rising wall angle of inclination and a second inclined portion extending from the first inclined portion to the can body and inclined away from the longitudinal centerline of the can and having a at a second external rising wall angle of inclination greater slope-than the first-inclined portion external rising wall angle of inclination, the annular ground portion integrally connected to the can body at the second inclined portion of the external rising wall and disposed radially inwardly relative to the longitudinal centerline of the can body diameter with an annular ground portion diameter being in a range of 70% to 98% of the can body diameter, the annular ground portion projecting outwardly of the can interior at a height in a range of 0.1 to 10.0 mm relative to the bottom wall, the annular bead integrally connected radially inwardly of the annular ground portion by the internal rising wall with the annular bead projecting into the can interior at a depth in a range of 0.1 to 5.0 mm relative to the bottom wall, the bottom wall having a flat shape and a bottom wall diameter in a range of 60% to 90% of the annular ground portion diameter, the external rising wall having an first external rising wall angle of inclination being in a range of 5° to 30°, the internal rising wall-having-rising at an internal rising wall angle of inclination in a range of 65° to 110 90° relative to a support surface of the can.